

CCR No. <u>98-0485</u>	Logged Date <u>4/16/98</u>	Rev. <u>-</u>	Request Type <u>CCR</u>
Priority Routine <input type="checkbox"/> Emergency <input checked="" type="checkbox"/>	Affected Release <u>2.0</u>	Change Class <u>INS</u>	
Title (description) Test communications kernel change on HiPPI VATC SGIs			
Documents Affected None		Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference None	
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
Problem The throughput performance of the SGI HiPPI interfaces is limited by a kernel configuration aimed at Ethernet interfaces.			
Proposed Solution On SGI recommendation, request to change the /var/sysgen/master.d/bsd file to change the tcp_sendspace and tcp_recvspace from 60 to 256 on t1acg01, t1drg01, t1spg01 and t1wkg01 and test the results for a period of two days. If the change improves performance then changes to 128 and 512 will also be attempted. At the end of that period, a recommendation will be made to keep the existing setting or setup a new baseline. The changes take 5 minutes per machine (edit the changes and autoconfigure the kernel) and 15 minutes to reboot which would result in a downtime of about 35 minutes assuming all goes well. Work must be accomplished by RTSC and observed by Byron Peters and must be done on a non-interference basis. <u>NEED DATE: 17 APR 98</u>			
Impact Analysis: Organizations Affected: Procurement <input type="checkbox"/> BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ECS Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input checked="" type="checkbox"/> Science Off <input type="checkbox"/> QO <input type="checkbox"/> Rel. Dev <input type="checkbox"/> Rel. A <input type="checkbox"/> Rel. C <input type="checkbox"/> SCDO Arch. <input type="checkbox"/> Security <input type="checkbox"/> Subcontract <input type="checkbox"/> Sys. Eng <input checked="" type="checkbox"/> Sys Ver Acpt <input type="checkbox"/>			
Cost: None <input checked="" type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000)			
Schedule: None <input checked="" type="checkbox"/> Other <input type="checkbox"/> Additional LOC _____ Man-Months _____ Materials _____			
Originator <u>Byron V. Peters</u>		Signature <u>Byron V. Peters</u> Date <u>04/16/98</u>	
Office <u>SED</u> Office Manager <u>Russell J. Miller</u>		Signature <u>Russell J. Miller</u> Date <u>4/16/98</u>	
Disposition Approved <input checked="" type="checkbox"/> Approved w/Comment <input type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/>			
Comments: <u>Kevin Lange to Coordinate.</u>			
CCB Chairperson <u>Russell J. Miller</u>		Signature <u>Russell J. Miller</u> Date <u>4/17/98</u>	

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